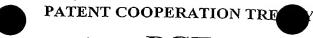
Translation





PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file of		<u> </u>					
Applicant's or agent's file reference S.6084 MD/MM	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)						
International application No.	International filing date (de	y/month/year)	Priority date (day/month/year)				
PCT/FR2003/050151	04 décembre 2003 ()4.12.2003)	12 décembre 2002 (12.12.2002)				
International Patent Classification (IPC) or national classification and IPC B01F 3/04							
Applicant L'AIR LIQUIDE SOCIETE ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE							
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 							
2. This REPORT consists of a total of	2 sheets, inclu	ding this cover s	heet.				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
These annexes consist of a total of sheets.							
3. This report contains indications relating to the following items:							
J Basis of the report							
II Priority	Priority						
III Non-establishment of	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
IV Lack of unity of inver	Lack of unity of invention						
V Reasoned statement u citations and explanat	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
VI Certain documents cit							
VII Certain defects in the	Certain defects in the international application						
VIII Certain observations on the international application							
Date of submission of the demand Date of completion of this senset							
		of completion of	this report				
05 juin 2004 (05.06.2004)		20 Sep	tember 2004 (20.09.2004)				
Name and mailing address of the IPEA/EP		rized officer					
Facsimile No.		Telephone No.					

Form PCT/IPEA/409 (cover sheet) (July 1998)

I. Basis of the report

The basis of international preliminary examination report is the application as originally filed.

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability

In light of the documents cited in the international search report, it is considered that the invention as defined in at least some of the claims does not appear to meet the criteria mentioned in Article 33(1) PCT, i.e. does not appear to be novel and/or to involve an inventive step (see international search report, in particular the documents cited X and/or Y and corresponding claim references).

INTERNATIONAL SEARCH REPORT

nal Application No

A. CLASSIFICATION OF SUBJECT M IPC 7 B01F3/04 B01F15/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C02F B01F IPC 7 BO1D Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Υ EP 0 995 485 A (AIR LIQUIDE ; ROBIN IND S A 1-3,6-8(FR)) 26 April 2000 (2000-04-26) cited in the application Α the whole document 4,5 DE 11 89 952 B (BASF AG) 1-3,6-81 April 1965 (1965-04-01) column 2, line 45 -column 3, line 12 4,5 figures 1,2 DE 295 06 955 U (CHARATJAN MANUELA DIPL Α 1,4 ING ; HABELSKI NORBERT DR ING (DE)) 29 June 1995 (1995-06-29) page 6, line 1 - line 5 page 6, line 23 - line 28 figures Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the 'A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docudocument referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. *P* document published prior to the international filing date but later than the priority date claimed '&' document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 21 May 2004 28/05/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 Real Cabrera, R

INTERNATIONAL SEARCH REPORT

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itional Application No

RAPPORT DE RECHERCHE INTERNATIONALE

De de Internationale No

A. CLASSEMENT DE L'OBJET DE LA DESANDE CIB 7 B01F3/04 B01F15/00

Selon la classification internationale des brevets (CIB) ou à la fois selon la classification nationale et la CIB

B. DOMAINES SUR LESQUELS LA RECHERCHE A PORTE

Documentation minimale consultée (système de classification suivi des symboles de classement) CIB 7 B01F C02F B01D

Documentation consultée autre que la documentation minimale dans la mesure où ces documents relèvent des domaines sur lesquels a porté la recherche

Base de données électronique consultée au cours de la recherche internationale (nom de la base de données, et si réalisable, termes de recherche utilisés)

EPO-Internal, WPI Data, PAJ

Catégorie °	Identification des documents cités, avec, le cas échéant, l'indication des passages pertinents	no. des revendications visées
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Υ	EP 0 995 485 A (AIR LIQUIDE ; ROBIN IND S A	1-3,6-8
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Voir la suite du cadre C pour la fin de la liste des documents	X Les documents de familles de brevets sont indiqués en annexe			
 Catégories spéciales de documents cités: "A" document définissant l'état général de la technique, non considéré comme particulièrement pertinent "E" document antérieur, mais publié à la date de dépôt international ou après cette date "L" document pouvant jeter un doute sur une revendication de priorité ou cité pour déterminer la date de publication d'une autre citation ou pour une raison spéciale (telle qu'indiquée) "O" document se référant à une divulgation orale, à un usage, à une exposition ou tous autres moyens "P" document publié avant la date de dépôt international, mais postérieurement à la date de priorité revendiquée 	 *T* document utlérieur publié après la date de dépôt international ou la date de priorité et n'appartenenant pas à l'état de la technique perlinent, mais cité pour comprendre le principe ou la théorie constituant la base de l'invention *X* document particulièrement pertinent; l'inven tion revendiquée ne peut être considérée comme nouvelle ou comme impliquant une activité inventive par rapport au document considéré isolément *Y* document particulièrement pertinent; l'inven tion revendiquée ne peut être considérée comme impliquant une activité inventive lorsque le document est associé à un ou plusieurs autres documents de même nature, cette combinaison étant évidente pour une personne du métier *&* document qui fait partie de la même famille de brevets 			
Date à laquelle la recherche internationale a été effectivement achevée 21 mai 2004	Date d'expédition du présent rapport de recherche internationale 28/05/2004			
Nom et adresse postale de l'administration chargée de la recherche internatio Office Européen des Brevets, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Real Cabrera, R			

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